## **EAST Search History**

## EAST Search History (Prior Art)

| Ref# | Hits | Search Query   | DBs                    | Default<br>Operator | Plurals | Time Stamp          |
|------|------|--|------------------------|---------------------|---------|---------------------|
| L1   | 1821 | 375/240.03.ccls.   | US-<br>PGPUB;<br>USPAT | ADJ                 | ON      | 2011/05/25<br>14:14 |
| S1   | 19   | audio (cod\$3 or encod<br>\$3) and lossless and<br>scalable and<br>perceptual model            | US-<br>PGPUB;<br>USPAT | ADJ                 | ON      | 2010/06/10<br>17:52 |
| S2   | 14   | audio (cod\$3 or encod<br>\$3) and lossless and<br>scalable and<br>perceptual and bit<br>plane | US-<br>PGPUB;<br>USPAT | ADJ                 | ON      | 2010/06/10<br>17:55 |
| S3   | 9    | audio and MPEG and<br>scalable coding and<br>perceptual and<br>bitplane                        | US-<br>PGPUB;<br>USPAT | ADJ                 | ON      | 2010/06/25<br>07:47 |
| S4   | 35   | audio and MPEG and scalable coding and bitplane  | US-<br>PGPUB;<br>USPAT | ADJ                 | ON      | 2010/06/25<br>07:58 |
| S5   | 445  | audio and MPEG and scalable coding   | US-<br>PGPUB;<br>USPAT | ADJ                 | ON      | 2010/06/25<br>08:03 |
| S6   | 65   | S5 and AAC   | US-<br>PGPUB;<br>USPAT | ADJ                 | ON      | 2010/06/25<br>08:03 |
| S7   | 61   | audio and MPEG and<br>scalable coding and bit-<br>plane  | US-<br>PGPUB;<br>USPAT | ADJ                 | ON      | 2010/06/25<br>08:14 |
| S8   | 79   | audio and MPEG and<br>scalable coding and bit<br>plane   | US-<br>PGPUB;<br>USPAT | ADJ                 | ON      | 2010/06/25<br>08:29 |
| S9   | 1    | "5926785".pn.  | US-<br>PGPUB;<br>USPAT | ADJ                 | ON      | 2010/06/25<br>09:42 |
| S10  | 77   | audio and MPEG and<br>scalable coding and<br>lossy   | US-<br>PGPUB;<br>USPAT | ADJ                 | ON      | 2010/06/25<br>09:49 |

| S11  | 77  | audio and MPEG and<br>scalable coding and<br>lossy                                       | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>09:49 |
|------|-----|--|------------------------|-----|----|---------------------|
| S12  | 5   | ("20030163305"  <br>"20030171920"  <br>"5926785"   "6092041"<br>  "6446037").PN.         | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>09:57 |
| S13  | 1   | S12 and (bitplane or bit-plane or bit plane)   | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>10:01 |
| S14  | 14  | (bitplane or bit-plane<br>or bit plane) with<br>(perceptual or psycho<br>\$9)            | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>10:31 |
| S15  | 2   | (bitplane or bit-plane<br>or bit plane) with<br>(perceptual or psycho<br>\$9) with error | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>10:34 |
| S16  | 627 | (bitplane or bit-plane<br>or bit plane) and<br>(perceptual or psycho<br>\$9)             | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>10:40 |
| S17  | 289 | S16 and (@ad<br><"20031010")   | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>10:40 |
| S18  | 49  | S17 and scalable   | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>10:41 |
| S19  | 39  | scalable coding and<br>( (perceptual or psycho<br>\$9) with (enhacement<br>or error))    | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>11:10 |
| S20  | 18  | scalable coding and<br>( (perceptual or psycho<br>\$9) with (residu\$2))                 | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>13:48 |
| \$21 | 1   | "20050252361".pn.<br>and (base layer or<br>AAC)  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>14:26 |
| S22  | 2   | (bitplane or bit-plane<br>or bit plane) with<br>(MDCT or IMDCT)                          | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>14:29 |
| S23  | 1   | "20030187634".pn.<br>and (bitplane or shift<br>and scan)                                 | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>14:33 |

| S24         | 0   | (bitplane or bit-plane<br>or bit plane) same<br>(shiftt\$2 and<br>(important or<br>significant))               | US-<br>PGPUB;<br>USPAT | ADJ | 0N | 2010/06/25<br>14:38 |
|-------------|-----|--|------------------------|-----|----|---------------------|
| S25         | 325 | (bitplane or bit-plane<br>or bit plane) same<br>(shift\$2 and (important<br>or significant))                   | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>14:39 |
| S26         | 92  | (bitplane or bit-plane<br>or bit plane) same<br>(shift\$2 and (important<br>or significant) and<br>symbol)     | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>14:39 |
| S27         | 0   | MDCT and normaiz\$5<br>and bank  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>16:43 |
| S28         | 336 | MDCT and normaliz\$5<br>and bank   | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>16:43 |
| S29         | 0   | "20030187634".pn.<br>and (MDCT and<br>(normaliz\$5 or bank or<br>band))  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>16:45 |
| \$30        | 1   | "20050252361".pn.<br>and (MDCT and<br>(normaliz\$5 or bank or<br>band))  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>16:46 |
| S31         | 0   | "20030187634".pn.<br>and (bitplane with shigt<br>\$3)  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>17:06 |
| S32         | 1   | "20030187634".pn.<br>and (bitplane with shift<br>\$3)  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>17:06 |
| <b>S3</b> 3 | 0   | ((bitplane or bit-plane<br>or bit plane) with<br>(perceptual or psycho<br>\$9)) and percettual<br>significance | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>17:33 |
| S34         | 2   | ((bitplane or bit-plane<br>or bit plane) with<br>(perceptual or psycho<br>\$9)) and perceptual<br>significance | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/25<br>17:34 |

| S35 | 2    | ((bitplane or bit-plane<br>or bit plane) with<br>(perceptual or psycho<br>\$9)) and JND    | US-<br>PGPUB;<br>USPAT | ADJ | 0X | 2010/06/25<br>17:34 |
|-----|------|--|------------------------|-----|----|---------------------|
| S36 | 7    | ((bitplane or bit-plane<br>or bit plane) with<br>(perceptual or psycho<br>\$9)) and symbol | US-<br>PGPUB;<br>USPAT | ADJ | 0N | 2010/06/25<br>17:35 |
| S37 | 2    | ((bitplane or bit-plane<br>or bit plane) with<br>(perceptual<br>significance))             | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/28<br>10:23 |
| S38 | 1487 | ((bitplane or bit-plane<br>or bit plane) with<br>(order or significance))                  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/28<br>10:26 |
| S39 | 477  | ((bitplane or bit-plane<br>or bit plane) with<br>( significance))                          | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/28<br>10:26 |
| S40 | 1    | ((bitplane or bit-plane<br>or bit plane) with<br>( normaliz\$5 near2<br>significance))     | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/28<br>10:27 |
| S41 | 1    | ((bitplane or bit-plane<br>or bit plane) with<br>( subtract\$3 with<br>(thresold or jnd))) | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/28<br>10:28 |
| S42 | 1    | ((bitplane or bit-plane<br>or bit plane) same<br>( subtract\$3 with<br>(thresold or jnd))) | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/28<br>10:29 |
| S43 | 1    | ((bitplane or bit-plane<br>or bit plane) and<br>( subtract\$3 with<br>(thresold or jnd)))  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/28<br>10:29 |
| S44 | 1    | 10/575409.app. and<br>maximum quantization<br>interval                                     | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/28<br>13:45 |
| S45 | 1    | "20030187634".pn.<br>and (quantiz\$5)  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/29<br>08:44 |
| S46 | 0    | 375/240.30.cdls.   | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/29<br>10:24 |
| S47 | 0    | 375/240.3.cdls.  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/29<br>10:24 |

| S48 | 1626 | 375/240.03.cdls.  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2010/06/29<br>10:24 |
|-----|------|---|------------------------|-----|----|---------------------|
| S49 | 9    | ((bitplane near coding)<br>with error) and (audio<br>or image or video)                     | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2011/01/31<br>15:48 |
| S50 | 46   | ((bitplane) with error)<br>and (audio or image or<br>video)                                 | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2011/01/31<br>16:17 |
| S51 | 1    | ((bitplane) with (error<br>signal)) and (audio or<br>image or video)                        | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2011/01/31<br>16:18 |
| S52 | 89   | ((bitplane or byir-<br>plane) with (error or<br>residual)) and (audio<br>or image or video) | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2011/05/25<br>08:10 |

## 5/25/2011 2:15:27 PM

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